

Promoting low carbon technology deployment in India through Japan-India Technology Matchmaking Platform (JITMAP)

INTRODUCTION

India's Nationally Determined Contribution (NDC) under the Paris Agreement targets to reduce its emission intensity of GDP by 33-35% below 2005 levels by 2030. The industrial sector in India, which share is around 58% of the total energy consumption, has a huge potential in reducing greenhouse emissions by adopting low carbon technologies (LCTs). The Institute for Global Environmental Strategies (IGES), Japan, and The Energy and Resources Institute (TERI), India, have been working together to promote deployment of LCTs in India through facilitating business matchmaking since 2011. To accelerate it, in July 2016, IGES and TERI launched **Japan-India Technology Matchmaking Platform (JITMAP)**, a business matching platform, with support from the Ministry of the Environment and Hyogo Prefectural Government in Japan.

OBJECTIVE Deployment of low carbon technologies in India through facilitation of business matchmaking between Japanese suppliers and Indian recipients for the greenhouse gas emissions reduction in India.

APPROACH JITMAP adopts following interventions to facilitate LCT transfer:

- Carrying out on-site feasibility studies at selected companies to identify the applicability;
- Training of energy auditors and energy managers of companies to improve their technological understandings of the latest LCTs;
- Organising awareness workshops for business owners and energy managers to improve their understandings of the financial returns of LCT application; and
- Arranging meetings with policy makers and financial institutions to discuss possible supporting policies and mechanisms.

PARTNERS To facilitate these interventions, JITMAP collaborates with following partners:

JAPAN side:

Technologies and its suppliers (private companies)*:

- Compressed air system: Hitachi Industrial Equipment Systems Co., Ltd. and Kobelco Compressors India Pvt. Ltd.
- Electric heat pump and refrigeration system: Mayekawa MFG Co., Ltd.
- Steam management system: TLV International Inc.
- Transmission belt: Bando Chemical Industries Ltd.

*These companies dispatch experts to conduct feasibility studies at selected Indian companies and provide inputs in awareness workshops, training, and policy and finance dialogues.

INDIA side:

Government Agencies:

- Andhra Pradesh State Energy Efficiency Development Corporation Ltd. (APSEEDCO)
 - Gujarat Energy Development Agency (GEDA)
 - Maharashtra Energy Development Agency (MEDA).
- These agencies help to identify energy intensive companies and fosters policy discussions in each state.

Financing Agencies:

- Gujarat Industrial and Technical Consultancy Organization Ltd.(GITCO)
- GITCO helps to reach out to industrial cluster level business associations to organise awareness workshops.

Business Associations:

- Mahratta Chamber of Commerce, Industries and Agriculture (MCCIA)
- MCCIA helps to organise training programmes for energy personnel.

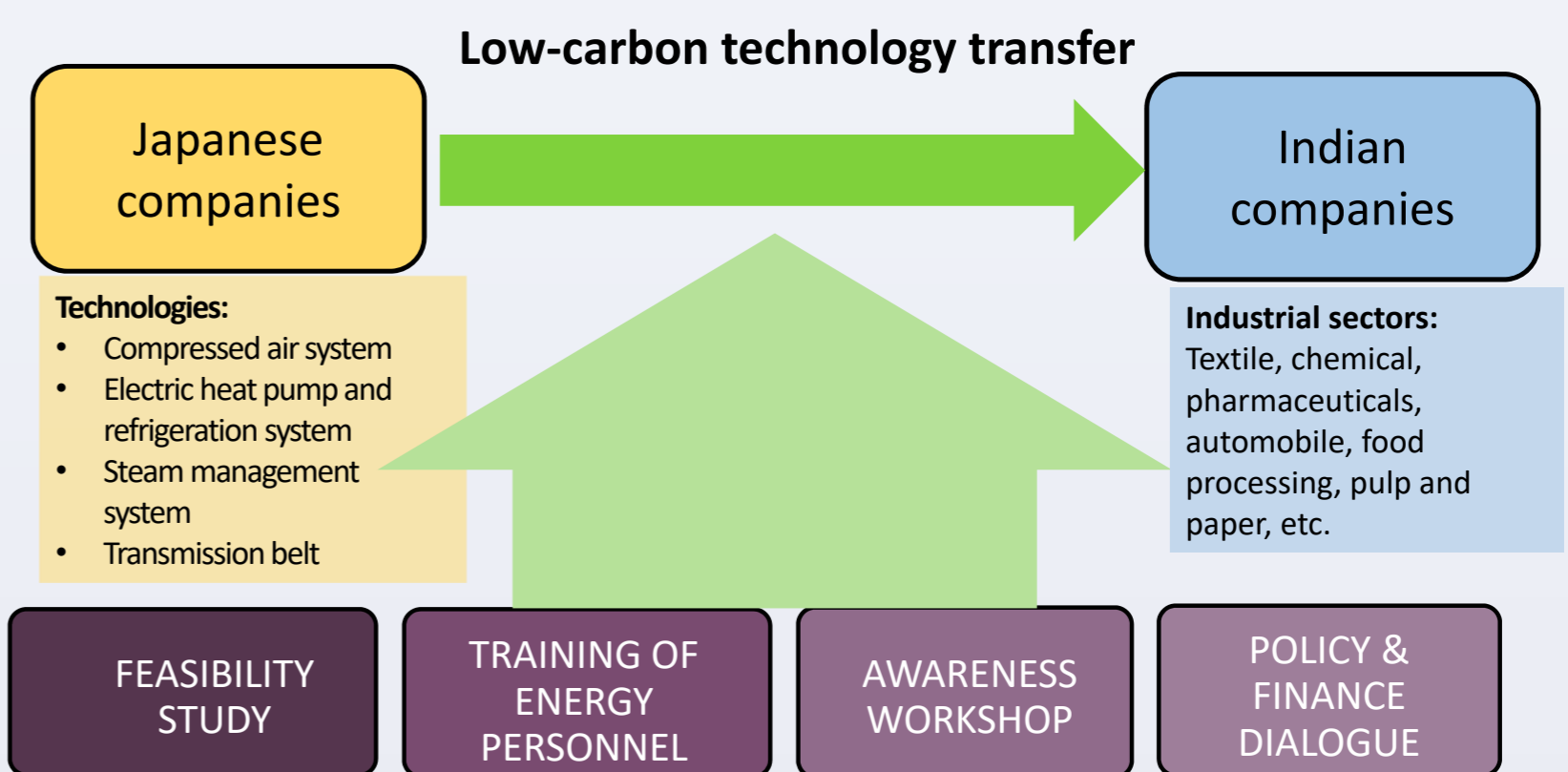
CASE STUDY 1: Technology transfer of Compressed air system

in collaboration with air compressor expert (ex-Hitachi Industrial Equipment Systems) & Kobelco Compressors India Pvt. Ltd.

Activities in 2016-18

FEASIBILITY STUDY	TRAINING OF ENERGY PERSONNEL	AWARENESS WORKSHOP
16 companies across textile, chemical, ceramic, pharmaceutical and automobile industries	Trained over 200 energy personnel in Gurgaon, Bangalore and Pune	About 140 participants at awareness workshops
Feasibility study at a pharmaceutical company	Training at Maruti Suzuki India, Gurgaon, Haryana	Awareness workshop at Ankleshwar Industrial Association, Gujrat
A new air compressor installed at a textile company	Training at TERI Southern Regional Center in Bangalore, Karnataka	Awareness workshop at Vapi Industries Association, Gujarat

These activities are supported by:



Mechanism of JITMAP

CASE STUDY 2: Technology transfer of Electric heat pump (EHP) & Refrigeration system

in collaboration with Mayekawa MFG Co., Ltd.

Activities in 2016-18

FEASIBILITY STUDY	AWARENESS WORKSHOP	POLICY AND FINANCE DIALOGUE
Feasibility study at a seafood company	Workshop with seafood company representatives in Bhimavaram, Andhra Pradesh	Meeting with Marine Products Export Development Authority (MPEDA)
EHP installed at a dairy company in 2013 has been achieving significant energy saving	Workshop with managers of seafood companies in Nellore, Andhra Pradesh	

WEBSITE

JITMAP website at <http://jitmap.org/> provides a database of over 40 feasibility studies across nine technologies and comprehensive information on LCTs, government policies and financing options in India and Japan.

WAY FORWARD

JITMAP's scope will be expanded to increase the number of applicable technologies and its suppliers. Along with partners agencies from Maharashtra, Gujarat, and Andhra Pradesh, JITMAP aims to expand the services across other states in India.

CONTACT

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